

Title (en)

NEW ALICYCLIC-AMINE-SUBSTITUTED 4-CARBOXAMIDO-BENZIMIDAZOLES AS PARP-INHIBITORS AND ANTIOXIDANTS

Title (de)

NEUE (ALICYCLISCHES AMIN)-SUBSTITUTIERTE 4-CARBOXAMIDOBENZIMIDAZOLDERIVATEN ALS PARP-INHIBITOREN UND ANTIOXIDANTIEN

Title (fr)

NOUVEAUX 4-CARBOXAMIDO-BENZIMIDAZOLES ALICYCLIQUES SUBSTITUES PAR UNE AMINE UTILISES COMME INHIBITEURS DE PARP ET COMME ANTIOXYDANTS

Publication

**EP 1622893 A1 20060208 (EN)**

Application

**EP 04729685 A 20040427**

Priority

- HU 2004000043 W 20040427
- HU P0301154 A 20030428

Abstract (en)

[origin: WO2004096793A1] Compounds of the formula (I) and their pharmaceutically acceptable or technically applicable acid salts - where in the formula R<1> represents hydrogen, C(1-4) alkyl or C(1-4) alkoxy R<2> represents hydrogen, C(1-4) alkyl, carboxyl, C(1-4) alkoxy carbonyl, carboxamido, aryl or hetero-aryl R<3> represents hydrogen, C(1-4) alkyl, aryl-methylene, or aryl, Y is a valency bond, a straight or branched chain C(1-4) alkene, a carbonyl-amino- C(1-4) alkene, or a -S- (CH<sub>2</sub>)<sub>m</sub>- group, where all alkene groups above may be spaced by an arylene group, n represents zero or the integer 1 m represents the integer 1, 2 or 3 Q represents hydrogen, hydroxyl or the oxygen radical (O) or together with the N atom of the adjacent ring forms a +N=O (oxoimmonium) group Z represents a single or double bond and their pharmaceutically acceptable or technically useful salts, processes for their preparation and their biological use as PARP inhibitors and antioxidants.

IPC 1-7

**C07D 403/04**; C07D 403/10; C07D 401/04; C07D 403/12; C07D 495/04; C07D 401/12

CPC (source: EP US)

**C07D 401/04** (2013.01 - EP US); **C07D 403/04** (2013.01 - EP US); **C07D 403/10** (2013.01 - EP US); **C07D 405/14** (2013.01 - EP US); **C07D 495/04** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2004096793 A1 20041111**; EP 1622893 A1 20060208; HU 0301154 D0 20030728; US 2007072912 A1 20070329

DOCDB simple family (application)

**HU 2004000043 W 20040427**; EP 04729685 A 20040427; HU P0301154 A 20030428; US 55393704 A 20040427